

20020824.qrp v02_n657.qrl.20020824

Date: Sat, 24 Aug 2002 19:03:04 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2657

QRP-L Digest 2657

Topics covered in this issue include:

- 1) [133174] Re: Ramsey QAMP Linear Amps??
by "John O. Newell" <jnewell@attbi.com>
- 2) [133175] The license has arrived
by David J Adams <david@theadamsclan.com>
- 3) [133176] RE: cleaning aluminum?
by "Tracy Markham" <tracy@bytemark.com>
- 4) [133177] Re: Ramsey QAMP Linear Amps??
by "Ray Goff" <radioham@gmx.co.uk>
- 5) [133178] RE: Dirk H.H. Spennemann 2000 (Warning! Virus!)
by "Tracy Markham" <tracy@bytemark.com>
- 6) [133179] Re: I was moved to create this timeless work of Art
by "Dave Martin" <k2zu@seanet.com>
- 7) [133180] RE: cleaning aluminum?
by Nick Kennedy <nkennedy@tcainternet.com>
- 8) [133181] Re: Monitoring 6m - summary
by Dave Richards <wr3i@earthlink.net>
- 9) [133182] Re: RF/IF Gain Control
by Dave Richards <wr3i@earthlink.net>
- 10) [133183] High School Ham Station - suggestions?
by "Tracy Markham" <tracy@bytemark.com>
- 11) [133184] Operating a laptop screen in bright sun
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 12) [133185] Cleaning aluminum antenna joints
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 13) [133186] OT: magnetorheological fluids--or 'MR fluids'
by Ed Tanton <n4xy@earthlink.net>
- 14) [133187] For Sale: LDG Z-11 QRP Auto Tuner - Factory Assembled
by "Jim Dolson" <jdolson@iserv.net>
- 15) [133188] Re: Ramsey QAMP Linear Amps??
by "John O. Newell" <jnewell@attbi.com>
- 16) [133189] Re: The license has arrived
by "Bill, N4QA" <n4qa@hotmail.com>
- 17) [133190] Re: Ramsey QAMP Linear Amps??
by Richard Mulvey <rich@mulveyfamily.com>
- 18) [133191] Re: Need Slashed Zero fonts
by W2AGN <w2agn@w2agn.net>
- 19) [133192] Re: Ramsey QAMP Linear Amps??

- by IamSF5@aol.com
- 20) [133193] Dr. Krauss
by Paul Oakes <pro@glassaxis.org>
 - 21) [133194] Re: High School Ham Station - suggestions?
by David Hinerman <WD8CIV@worldnet.att.net>
 - 22) [133195] Queue up for some Q: Core Talk, the sequel
by Nick Kennedy <nkennedy@tcainternet.com>
 - 23) [133196] Major X-flare at 0112z
by "Rod N0RC" <rod@n0rc.us>
 - 24) [133197] RE: The license has arrived
by "N8IE" <n8ie@woh.rr.com>
 - 25) [133198] Good reference page - From Elecraft list
by "Charles Mabbott" <aa8vs@msn.com>
 - 26) [133199] Re: Obsidian Rock Mite Photos
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
 - 27) [133200] WTB:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
 - 28) [133201] FDIM 2002 - Special Issue of Bacon Bits
by "Brian" <brian@iquest.net>
 - 29) [133202] Re: [NETXQRP] Obsidian Rock Mite Photos
by "George, W5YR" <w5yr@att.net>
 - 30) [133203] Re: [fpqrp] FDIM 2002 - Special Issue of Bacon Bits
by Paul Womble <pwomble1@tampabay.rr.com>
 - 31) [133204] Zener diode check
by "TC Dufresne" <tdufresne@neb.rr.com>
 - 32) [133205] Re: High School Ham Station - suggestions?
by "George, W5YR" <w5yr@att.net>
 - 33) [133206] Colorado Summer QSO Party
by "Al Dawkins" <alk0frp@attbi.com>
 - 34) [133207] Ground (earth) dilemma
by Dave Richards <wr3i@earthlink.net>
 - 35) [133208] Re: [NETXQRP] Obsidian Rock Mite Photos
by Russ Dow <n7dw@earthlink.net>
 - 36) [133209] Re: The license has arrived
by "Dave Fifield" <dave@redhotradio.com>
 - 37) [133210] Re: DL2AVH (it was: Sierra)
by =?iso-8859-1?Q?bam_yb=D8ko/1_SOETRISNO?= <unclebam@indosat.net.id>
 - 38) [133211] Re: DL2AVH (it was: Sierra)
by Ingo Meyer DK3RED <dk3red@gmx.net>
 - 39) [133212] Re: The license has arrived
by David J Adams <david@theadamsclan.com>
 - 40) [133213] Obsidian Rock Mite Photos
by Karl Kanalz <kkanalz@gcecispc.com>
 - 41) [133214] Re: Obsidian Rock Mite Photos
by "Jim Stamper" <jstamper@shentel.net>
 - 42) [133215] RE: RF Gain Control
by "Juanjo Pastor" <ec5aca@wanadoo.es>
 - 43) [133216] Re: Zener diode check

by "Mike Yetsko" <myetsko@insydesw.com>
44) [133217] RE: Zener diode check
by Nick Kennedy <nkennedy@tcainternet.com>
45) [133218] RE: cleaning aluminum?
by "Leon Heller" <leon_heller@hotmail.com>
46) [133219] Re: Zener diode check
by "Leon Heller" <leon_heller@hotmail.com>
47) [133220] Re: OT: magnetorheological fluids--or 'MR fluids'
by "Leon Heller" <leon_heller@hotmail.com>
48) [133221] Re: DL2AVH (it was: Sierra)
by Hugo <hugo@optonline.net>
49) [133222] (OT) Cigarette lighter plug needed
by "Harley L. Miller" <hmliller@sound.net>
50) [133223] Re: Ground/Lightning dilemma...
by "ss lyon" <sslyon@megalink.net>
51) [133224] Re: DL2AVH (it was: Sierra)
by Ingo Meyer DK3RED <dk3red@gmx.net>
52) [133225] FS: Another 4-function, Portable Qrp/Qro Meter w/pics
by RLucch2098@aol.com
53) [133226] Re: Ground/Lightning dilemma...
by "Leon Heller" <leon_heller@hotmail.com>
54) [133227] Re: [NETXQRP] Obsidian Rock Mite Photos
by Lew Paceley <lew@paceley.com>
55) [133228] Re: Ground/Lightning dilemma...
by Dave Richards <wr3i@earthlink.net>
56) [133229] Fox - Summer Hunt Teams Results.
by Bruce Ratray <rattray@gpfn.sk.ca>
57) [133230] QRP Afield
by "wd7y@pyramid.net" <wd7y@pyramid.net>
58) [133231] FOX NØRC Log, first draft
by "Rod NØRC" <rod@nØrc.us>
59) [133232] Re: RF Gain Control
by "George, W5YR" <w5yr@att.net>
60) [133233] Fox - Summer Hunt Teams Results.
by Bruce Ratray <rattray@gpfn.sk.ca>
61) [133234] Re: Obsidian Rock Mite Photos
by Lew Paceley <lew@paceley.com>
62) [133235] FS KD1JV Melt Solder Freq Counter, unassembled
by "Rod NØRC" <rod@nØrc.us>
63) [133236] Re: (OT) Cigarette lighter plug needed
by "Mike Yetsko" <myetsko@insydesw.com>
64) [133237] Re: FS KD1JV Melt Solder Freq Counter, unassembled
by "Rod NØRC" <rod@nØrc.us>
65) [133238] Re: (OT) Cigarette lighter plug needed
by "Rod NØRC" <rod@nØrc.us>
66) [133239] HELP! K1 audio drop
by Lloyd Lachow <llachow@yahoo.com>
67) [133240] My version of QROing the Rock-Mite

by Nils R Young <nilsbull@juno.com>
68) [133241] Bad News BUBBA
by W2AGN <w2agn@w2agn.net>
69) [133242] Re: FS KD1JV Melt Solder Freq Counter, unassembled
by Dave Richards <wr3i@earthlink.net>
70) [133243] BUBBA: Polar Cap Absorption a big factor + 40 meter comments
by Jim Larsen - AL7FS <AL7FS@arrl.net>
71) [133244] Why you shouldn't trust spell checkers-- WAS: FS KD1JV Melt Solder
Freq Counter, unassembled
by "Rod N0RC" <rod@n0rc.us>
72) [133245] Re: QRP Afield
by John Harper AE5X <ae5x@qsl.net>
73) [133246] Re: Why you shouldn't trust spell checkers-- WAS: FS KD1JV
Melt Solder Freq Counter, unassembled
by Pete Burbank <plburbank@kih.net>
74) [133247] Re: Bad News BUBBA
by W2AGN <w2agn@w2agn.net>
75) [133248] Re: BUBBA: Polar Cap Absorption a big factor + 40 meter comments
by Russ Dow <n7dw@earthlink.net>
76) [133249] BUBBA from Alaska
by Jim Larsen - AL7FS <AL7FS@arrl.net>
77) [133250] Re: Bad News BUBBA
by "wilford lindsey" <dock0evz@earthlink.net>
78) [133251] RE: BUBBA from Alaska
by "wilford lindsey" <dock0evz@earthlink.net>

Date: Fri, 23 Aug 2002 18:55:51 -0400
From: "John O. Newell" <jnewell@attbi.com>
To: jrybak@mesastate.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133174] Re: Ramsey QAMP Linear Amps??
Message-ID: <3D66BD77.2C5CBDA5@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Are there any "problems" with these amplifiers?

Not if you like broadband transmission! ;-)

In all seriousness, I recall a post from someone who tested one of these on a bench and found that it txed all over the spectrum. They have no filters whatsoever, IIRC. The solutions include building one of the Communications Concepts projects, building one of the HFPack amp projects, or buying a Tokyo HP amp (ie, importing it from JA

yourself).

72

John Newell KB1FPM

Date: Fri, 23 Aug 2002 19:06:05 -0400
From: David J Adams <david@theadamsclan.com>
To: qrp-1@lehigh.edu
Subject: [133175] The license has arrived
Message-ID: <3D66BFDD.7010001@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Well, I opened the mailbox today and found...an electric bill...oh and my extra license!

As a side note, I did a deja search on my call sign (it's raining and I'm bored) and found the following post to rec.radio.amateur.some.such.odd:

Greetings! Well...I got home and opened my mailbox to find an envelope from the FCC! Just call me N9UXU. I was sitting in the house thinking how cool it was when the door bell rang...UPS...delivering my HW-101!!! Too cool for words! All I need now is a key and a antenna/tuner setup (hopefully supplied at the hamfest this weekend) and I'm on the air!

Dave

PS - 9 weeks with an ARRL VE team!

73 de N9UXU..ah bliss...

Only 2 weeks this time around...gotta love electronic filing.

73 de dave, n9uxu (still bliss)

Date: Fri, 23 Aug 2002 16:12:55 -0700

From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [133176] RE: cleaning aluminum?
Message-ID: <GNEOLGDJD0PEALHJMKLCAENJCJAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Use a Scott Bright (sp) pad. DO NOT USE STEEL WOOL.

Ok, why no steel wool? Does SOS count as steel wool?

There's a chemical out there, can't remember the name, but it cleans
aluminum like Tarn-X cleans silver and copper. I've used that.
Tracy N4LGH

Date: Sat, 24 Aug 2002 00:29:51 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133177] Re: Ramsey QAMP Linear Amps??
Message-ID: <001e01c24afd\$236e55d0\$70f00350@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe that John has got this completely wrong, I have never built one of
these amplifiers, but I have looked at the handbook, which is downloadable
from the Ramsey site.

They most certainly do have an output filter, so comments about no filters
are just plain wrong.

Nothing to gain from this post, no axe to grind, just wanted to put the
picture straight.

72/73's Ray, G4FON

----- Original Message -----
From: "John O. Newell" <jnewell@attbi.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 23, 2002 11:55 PM
Subject: Re: Ramsey QAMP Linear Amps??

> > Are there any "problems" with these amplifiers?
>
> Not if you like broadband transmission! ;-)
>
> In all seriousness, I recall a post from someone who tested
> one of these on a bench and found that it txed all over the
> spectrum. They have no filters whatsoever, IIRC. The
> solutions include building one of the Communications
> Concepts projects, building one of the HFPack amp projects,
> or buying a Tokyo HP amp (ie, importing it from JA
> yourself).
>
> 72
> John Newell KB1FPM
>
>

Date: Fri, 23 Aug 2002 16:32:08 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [133178] RE: Dirk H.H. Spennemann 2000 (Warning! Virus!)
Message-ID: <GNEOLGDJDOPEALHJMKLCOENJCJAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought the list stripped attachments?
Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Karl Kanalz
Sent: Friday, August 23, 2002 3:30 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Dirk H.H. Spennemann 2000 (Warning! Virus!)

This message has a virus attached to it!

Karl K - W8TIF

McKinney, Texas
(Happy Owner of Norton 2002 virus detector!)

-----Original Message-----

From: qrp-1 [SMTP:qrp-1@Lehigh.EDU]
Sent: Friday, August 23, 2002 4:51 PM
To: kkanalz@gcecis.com
Subject: Dirk H.H. Spennemann 2000

<< File: ATT00000.html >> << File: 2000.wav >> << File: MESSAGE.TXT >> An error prevented processing the message to completion. The original message is contained in the attached file MESSAGE.TXT.

Date: Fri, 23 Aug 2002 16:47:41 -0700
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [133179] Re: I was moved to create this timeless work of Art
Message-ID: <000301c24aff\$78ee6340\$b9a32640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I like that Lloyd. It isn't only not just the words, is it?
Dave K2ZU

Date: Fri, 23 Aug 2002 18:58:39 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'wb9hfk@yahoo.com'" <wb9hfk@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133180] RE: cleaning aluminum?
Message-ID: <01C24AD7.18682E20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'm a bad boy so I like to break the rules. I use fine sandpaper (gasp--aluminum oxide is an insulator!), especially the kind on a little roll that plumbers use to prepare the ends of copper pipe.

I also use steel wool, just to solidify my bad boy image (gasp--dissimilar

metals, microscopic rectifiers!). That "tape" kind of sandpaper is nice because I can wrap it around my finger and get *inside* the joints that the other pieces slip into.

I wipe everything off good with a clean cloth to get rid of the bad little particles. Then--highly important--apply the crossion inhibiting compound before slipping the pieces together and tightening the hose clamps.

Don't worry about it too much. Clean the oxide off good. Clean off any particles of your cleaner. Apply the anti-oxidant, and you're good to go.

72--Nick, WA5BDU

-----Original Message-----

From: Mark Prather [SMTP:wb9hfk@yahoo.com]

Fellow QRPers,

I am going to be refurbishing an older 14AVQ in preparation for installing it soon. In the past I've seen a thread on the recommended methods for cleaning the aluminum, especially the joint areas. I seem to recall that there may have been some preferred 'cleaner', and I would appreciate comments.

Thanks in advance.

73,

Mark

Date: Fri, 23 Aug 2002 20:11:16 -0400
From: Dave Richards <wr3i@earthlink.net>
To: kc4atu@yahoo.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133181] Re: Monitoring 6m - summary
Message-ID: <5.1.1.6.2.20020823201049.009e70d0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

good tip!
Dave

WR3I

At 01:42 PM 8/23/2002 -0700, Bill ROWLETT wrote:

>One of the better ways to monitor 6m fulltime is to
>have an fm rec. set to 50.125 with the sq set just
>enough to silence the rec. With it set to fm, you
>monitor a wider piece of the band. Any SSB or CW on
>50.125 or on either side will trip the sq. Without sq,
>the noise will drive you nuts.

>

>73 and have fun

>

>Bill kc4atu

>

>

>Do You Yahoo!?

>Yahoo! Finance - Get real-time stock quotes

><http://finance.yahoo.com>

Date: Fri, 23 Aug 2002 20:18:01 -0400

From: Dave Richards <wr3i@earthlink.net>

To: w2agn@w2agn.net,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [133182] Re: RF/IF Gain Control

Message-ID: <5.1.1.6.2.20020823201723.009ed2d0@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

how about BIG beams and how to point them?

Dave

WR3I

At 03:50 PM 8/23/2002 -0400, W2AGN wrote:

>On 23 Aug 2002 at 19:30, na5n@zianet.com wrote:

>

> >

> > PS - Well, there goes my PacifiCon talk! I guess I'll have to think up

> > something else now. Maybe transmitters?

> >

> >

> >

>

>How about "Comparisons of the EH Antenna and a 44' Zepp?"

>

>or

>
>"Ear cleaning, the First Step for DX Reception?"
>
>
>--
>
> /_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke
>(W)(2)(A)(G)(N) <http://www.w2agn.net>
> _ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
>Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 23 Aug 2002 17:16:20 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [133183] High School Ham Station - suggestions?
Message-ID: <GNEOLGDJDOPEALHJMKLCCENNCJAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Today was my son's orientation as a freshman going into a new high school.

On a whim, I asked one of the staff if there was a ham radio station at the school. I was told that there USED to be, back when the school had an electronic class some 20 years ago. He then shocked me by pointing out a crank up tower with a multiband yagi on it that looked in fairly good shape for the age he said it was. The tower is cranked all the way down and the guys were bent and rusted, but the tower looked like it is in good shape.

While my son was in line, I took a moment to seek out the principal and ask if they would be interested in the station being active again. He told me it sounded good, but to call him around 9/10 when things start to calm down for him. Made sense ...

I don't want to go in there and screw up my opportunity to Elmer some kids in radio. I'm sure there is some politics that I should be aware of before I try anything.

Now my question is this - does anyone have advice, information, material, etc. that might help me in getting this going? I see this as a great opportunity to get some kids into radio and tinkering, but I also see it as a great opportunity to screw up and make that school never want to try again.

I think I'm a decent Elmer, will be qualified for QCWA soon, if I'm not already ;) But I'm NOT experienced at all working with institutions. I'm willing to donate / loan equipment to the station if I get 'approved' or whatever.

I am SO motivated!
Tracy N4LGH

Date: Fri, 23 Aug 2002 19:24:07 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <michael.babineau@sympatico.ca>, <qrp-l@lehigh.edu>
Subject: [133184] Operating a laptop screen in bright sun
Message-ID: <004f01c24b04\$8efc7fa0\$4e100a0a@rohredt2000>

Michael,
Our Field Day club has been there done that, or actually, for PSK, we found that NOTHING box, towel, blanket, would work without impossible conditions for the operator. However, this FD, our PSK guru, bought a stand alone TFT matrix flat screen monitor, hooked it to his Dell laptop, and bingo, we could even photo the flat monitor screen and have good contrast in the photo. The laptop screen is also in the photo but looks blank!

This seems to be the only solution. Let us hope the laptop makers find this new display a must for future models.

72,

Stuart K5KVH

The other solution was to operate PSK 31 at FD only at night!

Date: Fri, 23 Aug 2002 19:29:04 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <wb9hfk@yahoo.com>, <qrp-l@lehigh.edu>
Subject: [133185] Cleaning aluminum antenna joints
Message-ID: <005701c24b05\$4002a4f0\$4e100a0a@rohredt2000>

Mark,

Get a Scotch Brite (TM) pad from grocery store, etc. Then get some No Ox or similar compound from electrical dept of Home Depot, etc. and coat the joint right after cleaning off the oxides. Scrub with Scotch Brite pad, and then use clean lint free cloth to wipe off aluminum oxide powder residue before adding the No Ox grease. (Butter Its Not, from Bencher also works, is

grease with copper powder.) Knock the pad against some hard surface from time to time to unload powder it holds.

GL, 72,
Stuart K5KVH

Date: Fri, 23 Aug 2002 20:32:37 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [133186] OT: magnetorheological fluids--or 'MR fluids'
Message-ID: <5.1.1.6.2.20020823202059.034f1958@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just got an email from NASA about these
<http://science.nasa.gov/headlines/y2002/23aug_MRfluids.htm?list688402> 'MR fluids'. What they are comes down to a fluid that becomes a solid when subjected to a magnetic field. Apparently they are linear, for they are already in use in top-end cars as shock-absorber dampers, a very large bridge in China to eliminate sway, and the Lord Corporation
<http://www.lordcorp.com/news/2000/mr_technology_enables_medical_prosthetic_device.htm>
has a prosthetic knee available already. The amazing thing that prompted this email was seeing a short demo MPG movie showing the liquid become a solid, and then release back to a liquid. There were several URLs leading to other applications, which led me to the movie <<http://www.mrfluid.com/>>
. If you don't want to go to the URL/etc. but would like to see the movie, email me, and I'll send you a copy. A ham radio application that comes to mind is the location thumpers they used in OSCAR/etc. to reposition satellites.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Fri, 23 Aug 2002 20:36:33 -0400
From: "Jim Dolson" <jdolson@iserv.net>
To: <qrp-1@lehigh.edu>
Subject: [133187] For Sale: LDG Z-11 QRP Auto Tuner - Factory Assembled
Message-ID: <005101c24b06\$4ce1ab20\$255fe7cd@office>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

[Sorry if this is a dup. I tried to post this last night but I did not see it appear in the digest, so I don't think it made it ...]

I have an almost new looking factory assembled LDG Z-11 QRP tuner (operates from 0.1 watts to 60 watts), tunes in 0.1 to 3 seconds, zero power consumption once tuned, ...

Actually it still looks brand new to me after owning it for four months, but I'll say "almost new looking" just to be safe. It works as advertised.

For those who don't know the specs, they are at:
http://www.ldgelectronics.com/z-11_specifications.html

New they sell for \$179 + shipping. I'll sell for \$139 with shipping included (mainland U.S.). Manual, original box and wrapping material, even the spare power plug is there.

Jim Dolson
wb8zbd
Grand Rapids, MI

Date: Fri, 23 Aug 2002 20:36:36 -0400
From: "John O. Newell" <jnewell@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: radioham@gmx.co.uk, jrybak@mesastate.edu
Subject: [133188] Re: Ramsey QAMP Linear Amps??
Message-ID: <3D66D514.8DBB145B@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray Goff wrote:

>

> I believe that John has got this completely wrong

OM, you are right. I seem to have had a major brainf@rt.

:-(I went back and looked through my notes and the Ramsey kits are generally considered well-designed and good performers -- though they are monoband amps. They are pretty light in weight, so they might be an economical and practical boot for a WM SSB rig or the like. Here's the url:

<http://www.ramseyelectronics.com/cgi-bin/commerce.exe?preadd=action&key=QAMP>

I was thinking of the "truckstop" amps that are available here in the US.

While we're on the subject, though, here are some alternatives:

<http://www.hfprojects.com>

http://www.thp.co.jp/thp%20hp%20Eng/amateur_eng/hf_eng.htm#50b

<http://www.communication-concepts.com/>

73 and apologies for the bad info

John Newell

Date: Fri, 23 Aug 2002 20:53:55 -0400

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [133189] Re: The license has arrived

Message-ID: <F28yJrNKBqujsclWXSZ00017f7e@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

ATTABOY, Dave!

N9UXU...that's a cool call.

Now, grab some wire and get that HW-101 on the air.

Touch two pieces of wire together for a key if you have to :)

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

ps

Due to spam countermeasures, I see responses via this list's archives and via personal contacts list only.

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: 23 Aug 2002 20:56:17 -0400
From: Richard Mulvey <rich@mulveyfamily.com>
To: jnewell@attbi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133190] Re: Ramsey QAMP Linear Amps??
Message-ID: <1030150577.2335.5.camel@zipy.aa2ys.ampr.org>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

On Fri, 2002-08-23 at 20:36, John O. Newell wrote:

> Ray Goff wrote:

> >

> > I believe that John has got this completely wrong

>

> OM, you are right. I seem to have had a major brainf@rt.

> :-(I went back and looked through my notes and the Ramsey

> kits are generally considered well-designed and good

> performers -- though they are monoband amps. They are

> pretty light in weight, so they might be an economical and

> practical boot for a WM SSB rig or the like. Here's the

> url:

> <http://www.ramseyelectronics.com/cgi-bin/commerce.exe?preadd=action&key=QAMP>

Actually, you were both right and wrong. :-)

Ramsey makes/made a number of transmitters that are very popular with the pirate radio community - the LPA-1, etc, which had no output filtering at all. Additionally, QST tested their 2M kit rig a few years ago and found that it had spurs all over the spectrum, including on public service frequencies. So - the Ramsey reputation of transmitters with unfiltered or inadequately filtered outputs is perfectly legitimate.

That being said, I don't know anything about their QRP amps. But, just as a data point, I've helped several local hams with their HF QRP receiver/transmitter pairs, and, well, the best thing that you could say about them is that they make you appreciate Norcal/SWL/etc rigs a whole lot. :-) VERY poor PC boards and component quality.

Personally, I would look elsewhere.

- Rich

Date: Fri, 23 Aug 2002 21:06:57 -0400
From: W2AGN <w2agn@w2agn.net>
To: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133191] Re: Need Slashed Zero fonts
Message-ID: <3D66A3F1.27133.10FA8B83@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 21 Aug 2002 at 6:19, Karl F. Larsen wrote:

>
> Hi Bill, it doesn't work with linux.
>
> On Tue, 20 Aug 2002, blinn wrote:
>
> > Use the keypad to key in 216 while holding down the ALT key.
> >
> > Bill - WA7TQK
> >

Worked for me in Linux.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 23 Aug 2002 21:09:48 EDT
From: IamSF5@aol.com
To: rich@mulveyfamily.com, qrp-1@lehigh.edu

Subject: [133192] Re: Ramsey QAMP Linear Amps??
Message-ID: <137.1336c32c.2a9836dc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 8/23/02 9:00:35 PM Eastern Daylight Time,
rich@mulveyfamily.com writes:

<<
> OM, you are right. I seem to have had a major brainf@rt.
> :-(I went back and looked through my notes and the Ramsey
> kits are generally considered well-designed and good >>
In a message dated 8/23/02 9:00:35 PM Eastern Daylight Time,
rich@mulveyfamily.com writes:

<<
> OM, you are right. I seem to have had a major brainf@rt.
> :-(I went back and looked through my notes and the Ramsey
> kits are generally considered well-designed and good >>

I have 2 of them.
The second one I built on my own board appx half the size.
Lot of room between the parts.
I put it in a nice brown anodized metal box.
Ramsey must be nuts to ask \$19.95 for that \$1.00.00 plastic case.
Bob
AF2Qrp <tm>

Date: Fri, 23 Aug 2002 21:22:18 -0400
From: Paul Oakes <pro@glassaxis.org>
To: qrp-l@lehigh.edu
Subject: [133193] Dr. Krauss
Message-ID: <5.0.0.25.2.20020823211855.00a34370@mail.glassaxis.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

A bit of Ohio trivia here. Dr Krauss is an exception to the rule that
living people can't have their names mentioned on Ohio state historical
markers. If you're interested in the details see
<http://www.bigear.org/ohsmarkr/markermenu.htm>

At 07:03 PM 8/23/2002 -0400, w4bws@juno.com wrote:
>I built lots of RX and TX from those old parts and lots of antennas.
>In 1958 I went off to OHIO State to study EE. I worked for the
>campus radio station as student chief engineer, I had my

>commercial ticket. I was the highest paid student at the university
>at \$1.50 an hour I believe my interest in ham radio had a
>profound effect on my life. Dr. Krauss was one of my favorite
>instructors. I wound up working in the space industry in Florida
>for 25 years.

-Paul N8DTM

Date: Fri, 23 Aug 2002 21:25:48 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [133194] Re: High School Ham Station - suggestions?
Message-ID: <5.1.0.14.1.20020823211631.00b24470@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Now my question is this - does anyone have advice, information, material,
>etc. that might help me in getting this going? I see this as a great
>opportunity to get some kids into radio and tinkering, but I also see it as
>a great opportunity to screw up and make that school never want to try
>again.

>

>I think I'm a decent Elmer, will be qualified for QCWA soon, if I'm not
>already ;) But I'm NOT experienced at all working with institutions. I'm
>willing to donate / loan equipment to the station if I get 'approved' or
>whatever.

>

>I am SO motivated!

>Tracy N4LGH

Tracy,

Talk about seizing the day!

I haven't been involved in such an effort, but I suggest you enlist the aid
of someone on the inside - a science or industrial arts teacher, maybe. The
school may require a faculty advisor for club-type activities anyway. That
person will be able to help with procedures and policies. (I hesitate to
say "politics" but...)

As a friend of mine found out, it's better to have a teacher involved

anyway. He found the formula for thermite and wanted to demonstrate it to his chem class. He approached the teacher, who thought it was a good idea. (There's one born every minute, after all.) At the last moment the teacher decided they should do the demo outside, and they ended up burning a hole in the faculty parking lot pavement. My friend didn't get in any trouble whatsoever.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Fri, 23 Aug 2002 20:40:20 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@lehigh.edu>
Subject: [133195] Queue up for some Q: Core Talk, the sequel
Message-ID: <01C24AE5.4CCC0340.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

OK, I'd better finish the post, even though I have a short attention span and have gotten distracted by something else ...

One of the unpleasant side effects of probing the secrets of crystals can be acquiring an unnatural interest in that mysterious dimensionless thing called Q.

A couple weeks ago a poster wondered if those big ferrite beads (sometimes split) used to reduce radiation from video monitor cables and elsewhere might be good for radio work. As a balun for example.

So I figured hey, I'm rigged to the max for Q measurements so why not check it out. (You can use the same setup you use for crystals.) Q represents Quality Factor and is sometimes called a figure of merit. Let's see how meritorious these things are.

I decided to try one of those big split bead suppressors, and also a

non-split one that's about an inch long and 1/2 inch in diameter with about a quarter inch hole. For things we know the properties of, I took an FT-50-43 ferrite toroid and also the same size toroids in powdered iron, T50-2 and T50-6. Some of the stuff I found out:

Many ferrites have really low Q, especially above 1 MHz or so. And when that's the case, it's hard to measure Q using that 50 ohm setup for the same reasons that I mentioned in my widely deleted post, "back on the rock pile". You're looking for a peak and two 3 dB down points, but with a Q around unity, there ain't no peak, response is just pretty flat. And even for the high Q ones, the small series R is hard to separate from the relatively high circuit resistances of the loaded Q.

You do it like this. You take the inductor and put a known capacitor in series. Then find the peak and -3 dB points like with a crystal. The capacitor is expected to have high Q so the loss in the measurement is all assigned to the coil. The cap should be a silver mica (good) or air variable (better). I measured uH with the AADE meter. Here are some numbers I measured:

Core Turns	uH	MHz	Q
Split supp	11	144	2.4 5
solid supp	8	221	2.2 2.5
FT-50-43 11	51	5.6	1.7
FT-50-43 6	15.2	10.5	0.95
T50-2	25	3.43	6.3 45
T50-6	21	1.97	12.4 38
T50-2	25	3.43	6.6 155

How did I get Qs different by a factor of three with the T50-2 under the same conditions? Well, on the first two T50-2 and T50-6 tests, the equivalent series resistance of the coil is so low that it was difficult (impossible) to measure accurately in the 100 ohm circuit of the crystal measurement setup. So on the last entry, I went to a technique described in Solid State Design FTRA and elsewhere. Here, you put the known capacitor in *parallel* with the inductor. One end of the pair goes to ground. From the other end go two very small capacitors (maybe 1pF), one to the signal generator and the other to the detector (scope, etc). Now the Q you measure is supposed to be the actual *unloaded* Q. So that 155 number is the one I'll trust for the T50-2.

So what's all this got to do with the original question, "would one of those suppressor beads be OK for a balun?" Not much, it turns out. It seems that for that application, you really don't care much about having high (or even medium) Q. There are probably better ways of explaining it, but I look at it this way. In a choke balun, the "normal" (differential) currents create fluxes that cancel to zero, so there's no core loss from the normal load current. For the "bad" (common mode) kind of current, you

really don't care that much if it's being resisted by reactance, resistance, or a combination of the two (which is the case). For high power applications, the small (percentage wise) loss in the resistance might cause heating, but in general, resistance is good--it contributes to the reduction of common mode current and also contributes to broad-bandedness.

It's pretty much the same deal for transformers--those 4:1 bifilar types we use a lot and also conventional ones. The theory of ideal transformers is kinda weird--sounds like it might have come off of one of those "alternate energy" crackpot sites. Current flows in the primary, tending to produce a flux proportional to ampere-turns. But that causes a current to flow in the secondary, producing equal and opposite ampere-turns. So no flux. That just doesn't sound right. But I think it is.

So even though that type 43 toroid has really low Q, we use them in our HF and even VHF transformer applications and they do fine.

Where they may not be fine is when you use them for inductors--either in tuned circuits or as chokes. In that case current flows through in one direction only--no cancellation. Any equivalent R is going to cause loss and reduce Q in an application where you probably DO need it. They're (ferrites, that is) also not too stable with temperature either, so not good for VFO tank circuits.

Whew! Don't get me started, eh?

72--Nick, WA5BDU

Oh, never did say what Q is. In a series circuit (R in series with L), it's the reactance of the L divided by R or X_L/R . In a parallel circuit (R in parallel with L), it's R divided by the reactance of L, or R/X_L .

In a tuned circuit, it's the center frequency divided by the bandwidth at the -3dB points. If the measurement circuit has other resistances in it (generator R_g and load R_L), you get loaded Q. Subtract off the $R_g + R_L$ to get just the Q of the tuned circuit (unloaded Q).

Date: Fri, 23 Aug 2002 19:38:45 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [133196] Major X-flare at 0112z
Message-ID: <000701c24b0e\$fd313100\$6601a8c0@BIGDOG>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

X3.1 details at:

http://sec.noaa.gov/rt_plots/xray_1m.html

and

http://sec.noaa.gov/rt_plots/dregion.html

73, Rod NØRC

Date: Fri, 23 Aug 2002 22:22:17 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [133197] RE: The license has arrived
Message-ID: <MMEDLKDLONJOAIGICDJAMELFDCAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Congrats Dave!

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
David J Adams
Sent: Friday, August 23, 2002 7:06 PM
To: Low Power Amateur Radio Discussion
Subject: The license has arrived

Well, I opened the mailbox today and found...an electric bill...oh and
my extra license!

As a side note, I did a deja search on my call sign (it's raining and
I'm bored) and found the following post to rec.radio.amateur.some.such.odd:

Greetings! Well...I got home and opened my mailbox to find an envelope from the FCC! Just call me N9UXU. I was sitting in the house thinking how cool it was when the door bell rang...UPS...delivering my HW-101!!! Too cool for words! All I need now is a key and a antenna/tuner setup (hopefully supplied at the hamfest this weekend) and I'm on the air!

Dave

PS - 9 weeks with an ARRL VE team!

73 de N9UXU..ah bliss...

Only 2 weeks this time around...gotta love electronic filing.

73 de dave, n9uxu (still bliss)

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.381 / Virus Database: 214 - Release Date: 8/2/2002

Date: Fri, 23 Aug 2002 23:17:42 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-l@lehigh.edu
Subject: [133198] Good reference page - From Elecraft list
Message-ID: <F42lZBv9ninarBU393I00000796@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Good information!

Chuck AA8VS
<http://68.43.100.7:81/aa8vs>

=====

-----Original Message-----

From: elecraft-admin@mailman.qth.net [mailto:elecraft-admin@mailman.qth.net]
On Behalf Of ZOOM
Sent: Friday, August 23, 2002 6:43 PM
To: Joe Wiedeman; elecraft@mailman.qth.net
Cc: joe@nyc.rr.com
Subject: Re: [Elecraft] almost forgot last question

Here's the site I found some good information:
<http://www.radiobooks.com/products/rg610.htm>

Cheers,
Robert
VE3RPF

----- Original Message -----

From: "Joe Wiedeman" <joe@nyc.rr.com>
To: <elecraft@mailman.qth.net>
Cc: <joe@nyc.rr.com>
Sent: Friday, August 23, 2002 5:56 PM
Subject: [Elecraft] almost forgot last question

>continuation with questions
>
>3: What is the impedance of RG-6 cable.
>
>It is recommended for use as the transmission line for a 300 ohm
commercial
>wide band VHF UHF antenna with a
>ballon using an "F" connector.
>Is this RG-6 plain TV antenna coax you buy at Radio Shack.???
>
>73 K2MUF
>

"If your not part of the solution,
there is good money to be made
prolonging the problem."
<http://68.43.100.7:81/aa8vs>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Fri, 23 Aug 2002 22:38:15 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [133199] Re: Obsidian Rock Mite Photos
Message-ID: <000301c24b1f\$b2122c40\$b136a6d8@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Lew,

Great minds think alike! Good looking rig.

73,

Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

Date: Fri, 23 Aug 2002 22:40:08 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: <qrp-l@lehigh.edu>
Subject: [133200] WTB:
Message-ID: <001a01c24b1f\$f183a0c0\$8dc03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello:

I need a NJQRP enclosure kit for the SMK-1 that sold for 10.00. Anyone that wants to sell theirs let me know.

Tnx

Gene N0MQ

Date: Fri, 23 Aug 2002 23:04:58 -0500

From: "Brian" <brian@iquest.net>
To: "Pigs" <fpqrp-1@mpna.com>, "QRP-L" <qrp-1@lehigh.edu>
Subject: [133201] FDIM 2002 - Special Issue of Bacon Bits
Message-ID: <000c01c24b23\$6a1959a0\$e7602bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi everyone,

The Flying Pigs owe Dan N8IE a huge debt. He's been the editor for our electronic newsletter for the last 18 months or so. I have volunteered to handle those duties for the time being and I have spent about 1/2 a day it seem in producing the latest issue.

It's the Flying Pigs Special FDIM 2002 issue of the Bacon Bits. Warning, it is a 1.6MB PDF file and I am a picture editing rookie...so you have been warned. I think it looks pretty decent, it's just very hard to give FDIM justice in this format.

Anyway, you can check it out online at:

<http://www.fpqrp.com>

I hope you like it, feedback to brian@iquest.net is welcomed.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Fri, 23 Aug 2002 23:07:09 -0500
From: "George, W5YR" <w5yr@att.net>
To: Lew Paceley <lew@paceley.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>,
 n0rc@arrl.net, Dave Benson <nn1g@earthlink.net>,
Subject: [133202] Re: [NETXQRP] Obsidian Rock Mite Photos

Message-ID: <3D67066D.26DEBD89@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

See, if you had a webcam you could have shown me your Rock Mite tonight!
<:}

Tried the site, but no pix . . .

Enjoyed the chat . . .

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Lew Paceley wrote:

>
> I finally managed to package my Rock Mite and cobble together a _very
> rocky_ web page to display it. No more bare-naked Rock Mite for me,
> no sir!
>
> My Rock Mite is packaged in a black anodized aluminum enclosure, hence
> the name Obsidian. I added an internal 9V battery and also a N7VE SWR
> bridge to complete the package. Steve, AA5TB, and I seem to have
> similiar tastes in Rock Mite packaging :-).
>
> My html is rusty but try
> <http://www.paceley.com/rm>
> and see if it'll work for you.
>
> Rod and Dave, I added links to your sites. Let me know if this is a
> problem.
>
> Have fun!
>
>
> 72/73,
> *Lew*
> N5ZE
>

Date: Sat, 24 Aug 2002 00:09:03 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>

To: Pigs <fpqrp-1@mpna.com>
Cc: QRP-L <qrp-1@lehigh.edu>
Subject: [133203] Re: [fpqrp] FDIM 2002 - Special Issue of Bacon Bits
Message-ID: <3D6706DF.D5A6B1FA@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

GREAT job Brian. Looking forward to seeing the CD.

Make sure you put those pics of WB8ICN in a section clearly labled as
"view at your own risk"

oo
Paul K4FB

Date: Sat, 24 Aug 2002 04:48:41 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [133204] Zener diode check
Message-ID: <00ba01c24b21\$2364ae80\$d3b61c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am building a small amp for my QRP projects, one of Wayne Mc Fees design. Upshot is, the thing won't work, so I started testing leads, checking schematics, etc. Had one diode in the switching relay reversed, corrected that.

It uses an amp that is turned off/on with a relay. Pretty neat design actually. I can hear the relay clacking when I key, so I assume that part is ok. However, no power output!

I get signals through from my dipole antenna, so that part is ok.

Started checking resistors-check. Electrolytics-well I can't check those, don't know how! (sheepish grin) Ditto on the caps.

Diodes? Well now, here's the deal. It uses a 12v 1 amp zener diode in the amp section. (1N4742)
When I check that with my handy dandy Radio Shack multi-meter (*with diode checker) I get ,667 (?units??) and I reverse the probes, I get .831 (?units??) I thought I was supposed to get a number like the first for the

one position of probes, and when ya reversed the probes, I was supposed to get a <blinking> <blinking> 1.0000 thing..(infinity)
Am I wrong? Could the zener be "bad"? Could it be that simple?
Thanks for the advice in advance
Tom
KC0GXX

Date: Fri, 23 Aug 2002 23:21:19 -0500
From: "George, W5YR" <w5yr@att.net>
To: tracy@bytemark.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133205] Re: High School Ham Station - suggestions?
Message-ID: <3D6709BF.C40D8905@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tracy, I would contact ARRL and see what they can offer you - I bet that it is a lot.

Sounds like a good job for a good man!

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Tracy Markham wrote:

> Now my question is this - does anyone have advice, information, material,
> etc. that might help me in getting this going? I see this as a great
> opportunity to get some kids into radio and tinkering, but I also see it as
> a great opportunity to screw up and make that school never want to try
> again.

Date: Fri, 23 Aug 2002 22:38:00 -0600
From: "Al Dawkins" <alk0frp@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [133206] Colorado Summer QSO Party
Message-ID: <00ae01c24b28\$074da7e0\$0200a8c0@als>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.cqc.org/contests/summer02.htm>

Be there 1800 Z to 2359 Z
All Bands except WARC bands
Spend 6 hours or less working stations all over the US and DX.
Be there?? I will ??

See ya Sunday afternoon

Al K0FRP

Date: Sat, 24 Aug 2002 01:21:40 -0400
From: Dave Richards <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133207] Ground (earth) dilemma
Message-ID: <5.1.1.6.2.20020824012023.009e8cd0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi all,
I have just moved to a new home and am setting up my shack in the room
above the garage
I have installed a substantial 10' ground rod and am ready to run the wire
to it. my question is would I be better running number 10 copper wire or 1"
copper pipe down to the rod from the shack?
Dave
WR3I

Date: Fri, 23 Aug 2002 22:56:06 -0700
From: Russ Dow <n7dw@earthlink.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133208] Re: [NETXQRP] Obsidian Rock Mite Photos
Message-ID: <3D671FF6.1A0A37BE@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George and the group,

I was able to view the photos from work (network --> Yahoo
--> Earthlink), but not from home via dial-up to Earthlink.
>From other web pages such as Rod's there is no problem
here. One difference is Internet Explorer 5? at work,
Netscape 4.7 here, but who knows.

FYI, the pix are very nice. :-)

73,
Russ N7DW

"George, W5YR" wrote:

>
> See, if you had a webcam you could have shown me your Rock Mite tonight!
> <:}
>
> Tried the site, but no pix . . .
>
> Enjoyed the chat . . .
>
> 73/72/00, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
> Lew Paceley wrote:
> >
> > I finally managed to package my Rock Mite and cobble together a _very
> > rocky_ web page to display it. No more bare-naked Rock Mite for me,
> > no sir!
> >
> > My Rock Mite is packaged in a black anodized aluminum enclosure, hence
> > the name Obsidian. I added an internal 9V battery and also a N7VE SWR
> > bridge to complete the package. Steve, AA5TB, and I seem to have
> > similiar tastes in Rock Mite packaging :-).
> >
> > My html is rusty but try
> > <http://www.paceley.com/rm>
> > and see if it'll work for you.
> >

> > Rod and Dave, I added links to your sites. Let me know if this is a
> > problem.
> >
> > Have fun!
> >
> > 72/73,
> > *Lew*
> > N5ZE
> >

Date: Fri, 23 Aug 2002 23:31:27 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <david@theadamsclan.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133209] Re: The license has arrived
Message-ID: <016801c24b37\$e0620580\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

About time Dave!! Well done Sir - many congratulations!!

Are you going to get a shorter vanity callsign now?

Cheers from CA,
Dave Fifield, AD6A

----- Original Message -----
From: "David J Adams" <david@theadamsclan.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 23, 2002 4:06 PM
Subject: The license has arrived

> Well, I opened the mailbox today and found...an electric bill...oh and
> my extra license!

Date: Sat, 24 Aug 2002 15:36:23 +0700
From: =?iso-8859-1?Q?bam_yb=D8ko/1_SOETRISNO?= <unclebam@indosat.net.id>
To: dk3red@gmx.net, qrp-l@lehigh.edu

3) Rest: Only 2 transformer and--> What do you mean with "Rest="?
"?" is
that parts that user has to obtain himself, -or - , is that all the parts
kitted in the package (which costs EUD 42)?

4) what mode is it designed for? CW, SSB, CW+SSB, CW incl RTTY/PSK31?

5) cud u pse e-mail me off-list circuit diagram of the kit, incl. the
"reworked" transformer winding part (or, if you prefer it, you cud
snail-mail me with photostat copy of that documentation. my snail-mail
address is OK in QRZ.com)?

TIA es 73, de bam yb=D8ko/1

Date: Sat, 24 Aug 2002 11:46:22 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@lehigh.edu
Subject: [133211] Re: DL2AVH (it was: Sierra)
Message-ID: <5.1.1.6.1.20020824112827.009fb2d0@pop.gmx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Bam,

All values from the manual shipped with the kit.

Charles read the last part.

>QUESTION :

>

>1) understand it is a PA only kit , so it depends on the rig to "drive" it
>to full Po.

>but what is the input requirement?

input 200-300mV @ 10-15 volts -> minimal 5 watts on 50 ohms
from 1.8 to 30 MHz maximal power 9.3 watts
at 50 MHz about 7.5 watts

>2) PWR: 7.5 watts from 1.8 to 50 MHz -->. is that "packed" as a monobander
>or it is a wideband type of PA (so user can simply switch to the band in

>preference) ?

It is a wideband PA. You don't need any switch for band selection (only the low pass filter in your TRX).

>3) Rest: Only 2 transformer and--> What do you mean with "Rest"? is
>that parts that user has to obtain himself, -or - , is that all the parts
>kitted in the package (which costs EUD 42)?

No, all parts are in the kit. But you must solder the rest. ;o)

>4) what mode is it designed for? CW, SSB, CW+SSB, CW incl RTTY/PSK31?

It is a push-pull Class A amplifier, so you can use it for all modes.

>5) cud u pse e-mail me off-list circuit diagram of the kit, incl. the
>"reworked" transformer winding part (or, if you prefer it, you cud
>snail-mail me with photostat copy of that documentation. my snail-mail
>address is OK in QRZ.com)?

I have uploaded the reworked and translated transformer winding part at

http://home.t-online.de/home/dk3red/temp/dlqrppa_eng.zip

on my homepage.

Note to Karl F.: Please switch off your spellchecker and grammer controller, because the file is translated with Altavista/Babelfish and NOT edited. But I think it is read-able HI.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Sat, 24 Aug 2002 06:23:26 -0400
From: David J Adams <david@theadamsclan.com>
To: dave@redhotradio.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133212] Re: The license has arrived
Message-ID: <3D675E9E.4010704@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
<html>
<head>
</head>
<body>
Nope....N9UXU until I die...has a nice sound on CW, besides I live pretty
close to the 9-call region now, so people aren't as annoyed answering my
call as they were when I lived out there in California.<br>
<br>
<br>
73 de dave, n9uxu<br>
<br>
Dave Fifield wrote:<br>
<blockquote type="cite" cite="mid:016801c24b37$e0620580$0200a8c0@AD6A">
  <pre wrap="">About time Dave!! Well done Sir - many congratulations!!<br><br>Are
you going to get a shorter vanity callsign now? <br><br>Cheers from CA,<br>Dave
Fifield, AD6A<br><br>----- Original Message ----- <br>From: "David J Adams" <a
class="moz-txt-link-/rfc2396E"
href="mailto:david@theadamsclan.com">&lt;david@theadamsclan.com&gt;</a><br>To:
"Low Power Amateur Radio Discussion" <a class="moz-txt-link-/rfc2396E"
href="mailto:qrp-1@Lehigh.EDU">&lt;qrp-1@Lehigh.EDU&gt;</a><br>Sent: Friday,
August 23, 2002 4:06 PM<br>Subject: The license has arrived<br><br><br></pre>
  <blockquote type="cite">
    <pre wrap="">Well, I opened the mailbox today and found...an electric
bill...oh and <br>my extra license!<br></pre>
  </blockquote>
  <pre wrap=""><!--<br><br><br><br><br></pre>
</blockquote>
<br>
</body>
</html>
```

Date: Sat, 24 Aug 2002 06:52:31 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'Lew Paceley'" <lew@paceley.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: "n0rc@arrl.net" <n0rc@arrl.net>, Dave Benson <nn1g@earthlink.net>,
netxqrp <netxqrp@mailman.qth.net>
Subject: [133213] Obsidian Rock Mite Photos
Message-ID: <01C24B3A.D90BA2C0@KKANALZ>

Lew,
I guess I'll have to get you to do a web page for me, 'cause your HTML
didn't look rusty to me! The photos of your Rock-Mite and SMK-1 were just
fine! Wow!

Karl K - W8TIF
NETX'er #22
McKinney, Texas

-----Original Message-----

From: Lew Paceley [SMTP:lew@paceley.com]
Sent: Friday, August 23, 2002 5:43 PM
To: Low Power Amateur Radio Discussion
Cc: n0rc@arrl.net; Dave Benson; netxqrp
Subject: [NETXQRP] Obsidian Rock Mite Photos

I finally managed to package my Rock Mite and cobble together a _very rocky_ web page to display it. No more bare-naked Rock Mite for me, no sir!

My Rock Mite is packaged in a black anodized aluminum enclosure, hence the name Obsidian. I added an internal 9V battery and also a N7VE SWR bridge to complete the package. Steve, AA5TB, and I seem to have similiar tastes in Rock Mite packaging :-).

My html is rusty but try
<http://www.paceley.com/rm>
and see if it'll work for you.

Rod and Dave, I added links to your sites. Let me know if this is a problem.

Have fun!

72/73,
Lew
N5ZE

NETXQRP mailing list
NETXQRP@mailman.qth.net
<http://mailman.qth.net/mailman/listinfo/netxqrp>

Date: Sat, 24 Aug 2002 08:13:38 -0400
From: "Jim Stamper" <jstamper@shentel.net>
To: <lew@paceley.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133214] Re: Obsidian Rock Mite Photos

Message-ID: <002501c24b67\$ae3f3d90\$dd626fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yew are too modest Lou! Both the web site and the Obsidian Rock Mite are really beautiful.

73,
jim-
KG4LDY

----- Original Message -----

From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 23, 2002 6:42 PM
Subject: Obsidian Rock Mite Photos

> I finally managed to package my Rock Mite and cobble together a _very
> rocky_ web page to display it. No more bare-naked Rock Mite for me,
> no sir!
>
> My Rock Mite is packaged in a black anodized aluminum enclosure, hence
> the name Obsidian. I added an internal 9V battery and also a N7VE SWR
> bridge to complete the package. Steve, AA5TB, and I seem to have
> similiar tastes in Rock Mite packaging :-).
>
> My html is rusty but try
> <http://www.paceley.com/rm>
> and see if it'll work for you.
>
> Rod and Dave, I added links to your sites. Let me know if this is a
> problem.
>
> Have fun!
>
>
> 72/73,
> *Lew*
> N5ZE
>
>

Date: Sat, 24 Aug 2002 13:44:37 +0200

From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133215] RE: RF Gain Control
Message-ID: <008001c24b68\$4644ef40\$1333243e@fer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello, George and all.

>Perhaps there is a small problem in English interpretation here,
Juanjo,
>plus the sentence you quoted was intended to refer to reducing the RF
GAIN
>control on a "modern" receiver. Also, I was probably not clear in the
>distinction I was making between reducing the *gain* of the r-f
circuits
>compared to reducing the *signal level* in the r-f circuits.
>

Of course I didn't mean anybody to be wrong, as a matter of fact I
was wrong as the RF "gain" control in the NE602 receivers is not
really a gain control but an attenuator control...

>I agree with everything you say, most of which I also tried to cover
in my
>posting.
>
>But, the intent of the posting was to correct the misimpression left
by
>another that turning down the knob marked RF GAIN on a modern radio
>produced the same effect through the same mechanisms as did turning
down
>the RF GAIN control on an earlier generation radio. That is, that is
>actually reduces the amplification of one or more circuits prior to
the
>first (or only) mixer stage. In the majority of today's superhet
>receivers, I seriously doubt that few if any actually make provision
for
>manually reducing the r-f stage gain with a panel control.
>

And so do I...

>Today's receivers as a group instead reduce the *signal level* in the
>"front end" and that is almost invariably by the operator manually
>switching in an attenuator of some sort. On the Icom PRO, the

attenuators

<long skip of interesting stuff by George, W5YR>

It was not my intention to offend anybody so please forgive me if I did. You're a great group helping me with my ramblings pursuing a CW DC transceiver design for 15 meters (my real goal). TUA (Thanks u all).

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742, QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1=BA
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

Date: Sat, 24 Aug 2002 08:31:41 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <tdufresne@neb.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133216] Re: Zener diode check
Message-ID: <005201c24b6a\$341fa1a0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One thing about checking diodes with a meter...

You always have to make sure the meter is providing enough voltage to forward bias the diode for the check!

With Zeners, you also have to consider if the meter is providing enough voltage to turn on a Zener in the other direction.

But, being a 12v zener, I would not think that the meter could be turning it on. I would seriously suspect that it's bad.

What's the in-circuit operational voltage on the diode?

Mike

Date: Sat, 24 Aug 2002 07:48:08 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'tdufresne@neb.rr.com'" <tdufresne@neb.rr.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133217] RE: Zener diode check
Message-ID: <01C24B42.973EDF80.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: TC Dufresne [SMTP:tdufresne@neb.rr.com]
Diodes? Well now, here's the deal. It uses a 12v 1 amp zener diode in the
amp section. (1N4742)
When I check that with my handy dandy Radio Shack multi-meter (*with diode
checker) I get ,667 (?units??) and I reverse the probes, I get .831
(?units??) I thought I was supposed to get a number like the first for the
one position of probes, and when ya reversed the probes, I was supposed to
get a <blinking> <blinking> 1.0000 thing..(infinity)
Am I wrong? Could the zener be "bad"? Could it be that simple?

Could be. But I'll bet you're reading through other things in the circuit.
That zener is probably connected from collector to ground of the final
transistor. With + probe at ground and - at the collector, you read
forward through the zener: 0.667 volts. In the other direction, you should
read "high", but you are also reading everything in the rig that goes from
the + supply line to ground.

I'm not a big fan of in-circuit component testing, not that I'm a great
troubleshooter or anything. Probably the best it would do would be to show
shorts or opens. I guess you've already gone over the board with a
magnifier looking for bridges and bad solder joints. Toroids with wire not
stripped fully. Have you decided that it's the final amplifier stage? Can
you hear the oscillator in your receiver? Tracing RF signals might be
tricky if you're not equipped for it, but checking DC operating voltages
might be a good simple check. It's usually easy to dope out what they
should be, except for the final (class C) amplifier.

72 & Good Luck,

Nick, WA5BDU

Date: Sat, 24 Aug 2002 13:20:29 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tracy@bytemark.com, qrp-1@lehigh.edu
Subject: [133218] RE: cleaning aluminum?
Message-ID: <F1995T4CX9DIjxGq01w000059cd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tracy Markham" <tracy@bytemark.com>
>Reply-To: tracy@bytemark.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: cleaning aluminum?
>Date: Fri, 23 Aug 2002 16:12:55 -0700
>
>
>
>Use a Scott Bright (sp) pad. DO NOT USE STEEL WOOL.
>
>Ok, why no steel wool? Does SOS count as steel wool?
>
>There's a chemical out there, can't remember the name, but it cleans
>aluminum like Tarn-X cleans silver and copper. I've used that.
>Tracy N4LGH
>
>

Motorcyclists in the UK have used an Al cleaner called 'Solvol Autosol' for as long as I can remember. It comes in a tube.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:

<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 24 Aug 2002 13:33:47 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tdufresne@neb.rr.com, qrp-1@lehigh.edu
Subject: [133219] Re: Zener diode check
Message-ID: <F136xfPTeip68V8zDv60001508e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "TC Dufresne" <tdufresne@neb.rr.com>
>Reply-To: tdufresne@neb.rr.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Zener diode check
>Date: Sat, 24 Aug 2002 04:48:41 +0100
>
>I am building a small amp for my QRP projects, one of Wayne Mc Fees design.
>Upshot is, the thing won't work, so I started testing leads, checking
>schematics, etc. Had one diode in the switching relay reversed, corrected
>that.
>
>It uses an amp that is turned off/on with a relay. Pretty neat design
>actually. I can hear the relay clacking when I key, so I assume that part
>is
>ok. However, no power output!
>
>I get signals through from my dipole antenna, so that part is ok.
>
>Started checking resistors-check. Electrolytics-well I can't check those,
>don't know how! (sheepish grin) Ditto on the caps.
>
>Diodes? Well now, here's the deal. It uses a 12v 1 amp zener diode in the
>amp section. (1N4742)
>When I check that with my handy dandy Radio Shack multi-meter (*with diode
>checker) I get ,667 (?units??) and I reverse the probes, I get .831
>(?!units??) I thought I was supposed to get a number like the first for the
>one position of probes, and when ya reversed the probes, I was supposed to
>get a <blinking> <blinking> 1.0000 thing..(infinity)
>Am I wrong? Could the zener be "bad"? Could it be that simple?
>Thanks for the advice in advance
>Tom
>KC0GXX

Testing zener diodes that way might not work, because the voltage applied to the diode might be in the region of its breakdown voltage. The best way is to to put a resistor in series with it, depending on the wattage of the zener, and put a higher voltage than the zener voltage across them - say 15V in your case. You can then check the voltage across the zener, you should get about 12V, if it's the right way round.

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Sat, 24 Aug 2002 13:42:18 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n4xy@earthlink.net, qrp-1@lehigh.edu
Subject: [133220] Re: OT: magnetorheological fluids--or 'MR fluids'
Message-ID: <F9DnIEZg1ThadCRl5gW0002216e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Ed Tanton <n4xy@earthlink.net>
>Reply-To: n4xy@earthlink.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: OT: magnetorheological fluids--or 'MR fluids'
>Date: Fri, 23 Aug 2002 20:32:37 -0400
>
>I just got an email from NASA about these
><http://science.nasa.gov/headlines/y2002/23aug_MRfluids.htm?list688402> 'MR
>fluids'. What they are comes down to a fluid that becomes a solid when
>subjected to a magnetic field.

When I first heard about them a few years ago, I was working on virtual reality applications. I thought they might be useful for providing haptic feedback (a sense of touch) when contacting virtual objects. They weren't obtainable, though, so we tried using piezo film. It just about worked, but the force wasn't really sufficient.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 24 Aug 2002 10:09:16 -0400

From: Hugo <hugo@optonline.net>

To: dk3red@gmx.net,

Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [133221] Re: DL2AVH (it was: Sierra]

Message-ID: <003801c24b77\$d5397860\$0500a8c0@560e>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Hi, Ingo!

I'm curios about the current consumption / efficiency.

You said it is a class "A" push-pull amp.

Do you have any Ic/ idle Ic data or curves?

Thanks and 73

Hugo

AA1XV

----- Original Message -----

From: Ingo Meyer DK3RED <dk3red@gmx.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Saturday, August 24, 2002 5:46 AM

Subject: Re: DL2AVH (it was: Sierra]

> Hello Bam,

>

> All values from the manual shipped with the kit.

>

> Charles read the last part.
>
> >QUESTION :
> >
> >1) understand it is a PA only kit , so it depends on the rig to "drive"
it
> >to full Po.
> >but what is the input requirement?
>
> input 200-300mV @ 10-15 volts -> minimal 5 watts on 50 ohms
> from 1.8 to 30 MHz maximal power 9.3 watts
> at 50 MHz about 7.5 watts

.....snip.....

Date: Sat, 24 Aug 2002 09:30:38 -0500
From: "Harley L. Miller" <hmliller@sound.net>
To: qrp-l@lehigh.edu
Subject: [133222] (OT) Cigarette lighter plug needed
Message-ID: <3D67988E.4A078B1C@sound.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking for a good HEAVY-DUTY cigarette lighter plug with built-in fuse holder. The fuse needs to be a 6 amp and will have to be an AG type. The plugs I can find are light plastic, which buckles and allows the internal connections to short. Actual draw is about 4.5A and running full time for a weekend softens the plastic. Any sources for a good phenolic plug?

Harley L. Miller WB0ROQ hmliller@sound.net

Date: Sat, 24 Aug 2002 09:47:52 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <wr3i@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133223] Re: Ground/Lightning dilemma...
Message-ID: <004301c24b7b\$019fb6a0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Definitely the pipe, Dave, for the following reasons:

- 1.) It's essentially self-supporting; requires fewer supports and maintains shape/position well.
- 2.) More robust attachment at both ends. You can hammer the tubing flat, drill and bolt directly to the ground rod. Drill/tap or bolt lugged wire at the shack end.
- 3.) make the run as straight as possible, regardless of 'esthetics'. Nice neat corners, etc., are out. Lightning just looks for excuses to go wandering.
- 4.) Pipe/tubing has lower inductance than #10 wire. :)

73
AA1MY
Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Dave Richards" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, August 24, 2002 1:21 AM
Subject: Ground (earth) dilemma

> Hi all,
> I have just moved to a new home and am setting up my shack in the room
> above the garage
> I have installed a substantial 10' ground rod and am ready to run the wire
> to it. my question is would I be better running number 10 copper wire or 1"
> copper pipe down to the rod from the shack?
> Dave
> WR3I
>
>

Date: Sat, 24 Aug 2002 16:57:39 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@lehigh.edu
Subject: [133224] Re: DL2AVH (it was: Sierra)
Message-ID: <5.1.1.6.1.20020824163511.00a26bc0@pop.gmx.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Hugo,

>I'm curios about the current consupction / efficiency.

>You said it is a class "A" push-pull amp.

(think) Mmh. (look in the schematic) Oops! <vbg>

Yes, it's a class "AB" push-pull PA. SRI for the typo.

>Do you have any Ic/ idle Ic data or curves?

Sure.

input 200-300 mV @ 10-15 V (0.9-0.95A for the whole PA)

-> min 5 watts output

And now the rest of the PA datas. ;o)

gain 37 dB +/- 1 dB from 1.8 MHz to 50 MHz

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>

DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Sat, 24 Aug 2002 11:18:11 EDT

From: RLucch2098@aol.com

To: qrp-l@lehigh.edu

Subject: [133225] FS: Another 4-function, Portable Qrp/Qro Meter w/pics

Message-ID: <1aa.74cc782.2a98fdb3@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi Fellas;

I have for SALE:

Another 4-function VSWR/WATTS/MOD%/FS meter.

I have seen this exact meter sold by 3 compaies so far, Lafayette, Philmore & this one, MIDLAND.

Its nice & heavy, all metal with instructions, FS antenna & original carton.

It appears like it stayed in its box all these years.

Checks watts in 2 ranges, 10 & 100 so it will check QRP radios very nicely.

Small enough for Field use also, FS use is nice for tuning radios. A real

nice meter with SO-239's on the back!.

Check out the pics>>

http://www.myradioroom.com/midland1.jpg

http://www.myradioroom.com/midland2.jpg

Price PPD is \$40.00 Conus

Thanks es 73....Rich WA2RQY (1961)

RLUCCH2098@aol.com

"Keep those heaters on"

Date: Sat, 24 Aug 2002 15:35:07 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: sslyon@megalink.net, qrp-1@lehigh.edu

Subject: [133226] Re: Ground/Lightning dilemma...

Message-ID: <F55vZ9aZ1i6bdVJWrGW000168a1@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: "ss lyon" <sslyon@megalink.net>

>Reply-To: sslyon@megalink.net

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Subject: Re: Ground/Lightning dilemma...

>Date: Sat, 24 Aug 2002 09:47:52 -0400

>

>Definitely the pipe, Dave, for the following reasons:

>1.) It's essentially self-supporting; requires fewer supports and maintains
>shape/position well.

>2.) More robust attachment at both ends. You can hammer the tubing flat,
>drill

>and bolt directly to the ground rod. Drill/tap or bolt lugged wire at the
>shack

>end.

Lightning rod conductors here in the UK are usually a sort of thick copper strip, about 1.5" wide. You probably have the same stuff over there. It might be easier to use than copper tube, and conduct better.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 24 Aug 2002 10:37:27 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: n7dw@earthlink.net, "George , W5YR" <w5yr@att.net>
Subject: [133227] Re: [NETXQRP] Obsidian Rock Mite Photos
Message-ID: <003e01c24b84\$26928ce0\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Folks,
Thanks for all the kind words.

Per a thoughtful suggestion by Dan, WD8AUU, I have removed the spaces from the filenames of the pictures. Mebbe this will make it work for you folks who couldn't view the pics before.

Again, the URL is:
<http://www.paceley.com/rm>

Tnx agn es have fun!

72/73,
Lew
N5ZE

Date: Sat, 24 Aug 2002 11:44:23 -0400
From: Dave Richards <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
leon_heller@hotmail.com
Subject: [133228] Re: Ground/Lightning dilemma...
Message-ID: <01VYXTSPLLHNH41EC62SHETQFDMXV.3d67a9d7@Home4>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

leon,

thanks I was wondering if it would be better to split the tube and have about 3" flat strip? sounds as if that might be worth the effort. to buy copper strip is very expensive and house flashing is exorbitant (spelling?)
Dave WR3I

/24/2002 11:35:07 AM, "Leon Heller" <leon_heller@hotmail.com> wrote:

>
>
>
>>From: "ss lyon" <sslyon@megalink.net>
>>Reply-To: sslyon@megalink.net
>>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>>Subject: Re: Ground/Lightning dilemma...
>>Date: Sat, 24 Aug 2002 09:47:52 -0400
>>
>>Definitely the pipe, Dave, for the following reasons:
>>1.) It's essentially self-supporting; requires fewer supports and maintains
>>shape/position well.
>>2.) More robust attachment at both ends. You can hammer the tubing flat,
>>drill
>>and bolt directly to the ground rod. Drill/tap or bolt lugged wire at the
>>shack
>>end.
>
>Lightning rod conductors here in the UK are usually a sort of thick copper
>strip, about 1.5" wide. You probably have the same stuff over there. It
>might be easier to use than copper tube, and conduct better.
>
>73, Leon
>--
>Leon Heller, G1HSM Tel: +44 1424 14790
>Email:leon_heller@hotmail.com
>My web page: http://www.geocities.com/leon_heller
>My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
>-----
>MSN Photos is the easiest way to share and print your photos:
><http://photos.msn.com/support/worldwide.aspx>
>
>

Date: Sat, 24 Aug 2002 09:45:19 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [133229] Fox - Summer Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0208240940340.28497-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #13 - N1FN -

The NE-TX Tornados - 44

George - W5YR *
Doc - W5TB * Clean
Eric - NM5M * Sweep
Don - K5DW *
Mike - KD5KXF *

The Raiders of the Lost RF - 45

Rob - VE6JAZ
Dan - VE6EX *
Fred = VE3FAL *
Earl - VA6RF *
Bruce - VE5RC *

The Piggie Team - 21

Jim - KJ0C *
Dave - WR50
Randy - W9HL
Wayne - K9DI
Diz - W8DIZ

The Cheeseheads - 54

Craig - VE4WI
Jim - WA9TZE *
Glenn - WE9K *
Lon - W9XU *
Rick - NK9G *

The Cajun Thunder - 42

Wayne - K5E0A
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH

The Swamp Rats - 42

ET - N1FN **
Doc - K0EVZ
Paul - K4FB *
Dennis - N4DD *
Tom - N1TP

The p-Shooters - 28

Jason - K0IIN *
Gary - NQ7T

Jim - KC1FB *
Tony - KB9YIG
Todd - N9NE *

...please notify me direct of any changes...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 24 Aug 2002 08:48:05 -0700
From: "wd7y@pyramid.net" <wd7y@pyramid.net>
To: QRP-L Members Talk <qrp-l@lehigh.edu>
Subject: [133230] QRP Afield
Message-ID: <B98CF8C5.9464%wd7y@pyramid.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Has there been an announcement for the QRP Afield event yet ???

Date: Sat, 24 Aug 2002 10:00:06 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133231] FOX N0RC Log, first draft
Message-ID: <015201c24b87\$5135be60\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

47 QSOs, I grouped the QSO into 1/2 segments to illustrate how the band falls apart. Also left in some log notes, I'll clean all that up in final versions.

73, Rod N0RC

N0RC Fox Log

Run Date: 0200-0400 23-Aug-2002, UTC

Setup Icom-746pro @ 5W into attic dipole

0203	AA4MF	559	559	KY Mark	5W
0204	N1TP	559	559	FL Tom	5W
0206	K3PH	559	558	PA Bob	5W
0207	AL7FS	339	559	AK Jim	5W
0209	N4DD	599	559	TN Dennis	5W
0210	K8CV	599	599	MI Walt	5W
0211	N6TT	599	599	CA Steve	1000W !!!
0212	K5E0A	599	559	LA Wayne	5W
0213	N3BJ	559	559	VA Alan	5W
0214	N3ZPQ	559	559	OH Frank	5W
0215	KB7WW	599	559	OR Art	5W
0215	K4GT	599	559	GA Jim	5W
0218	WA8BXN	559	559	OH Mike	5W
0219	K7IE	599	599	OR Clair	5W
0220	K3IU	559	559	RI Ken	5W
0221	K6MMC	559	559	CA Mike	5W
0221	AJ4AY	559	559	Al Jay	5W
0222	N5YFC	559	559	WA Wayne	5W
0225	K40AH	559	599	GA Garey	5W
0226	KG4LDY	339	559	VA Jim	5W
0227	N5IB	559	559	LA Jim	5W
0228	W4JNK	559	559	CA Charles	5W
0230	KJ0C	559	559	MO Jim	5W
0232	KC1FB	339	559	CT Jim	1W
0234	N3XRV	339	449	PA Chris	5W
0235	N9NE	339	559	WI Todd	5W
0236	KV2X	559	559	NY Tom	5W
0240	AB9CA	559	559	AL Dave	3W
0240	W5YN	599	559	NC Tim	5W
0243	VE7HHH	559	579	BC Blair	5W
0244	K3ESE	559	559	MD Lloyd	5W
0245	K9IUA	559	559	IL Kevin	5W
0247	K4BYF	559	559	FL Jack	5W
0247	AK3X	559	559	MD Pete	1W

~0255 switched from SPLIT to SIMPLEX

0304 K5TR 559 559 TX Geo 1W
0306 K5JHP 559 559 TX Bill 5W
0307 W5TX 559 559 TX Doc 5W
0313 W3DCG 559 549 GA Darin 5W
0314 NM5M 559 559 OK Tim 5W
0316 W5YR 559 559 TX George 5W
0317 K5SR 559 559 TX Dale 5W
0318 K5DW 559 559 WA Don 5W
0321 VE2KN 559 559 QC Jim 2W
0323 QSY UP1 to avoid QRM
0329 AA50 339 559 AL Vern 5W

0331 VE7DSN 559 579 BC Frank 2W
0338 WB8W 559 559 OH Dennis 5W
0343 VE5RC 559 119 SK Bruce 5W
0351 N5ZE 559 559 TX Lew 5W
0400 N0RC FOX
0400 K0EVZ FOX

* * *

Date: Sat, 24 Aug 2002 11:11:18 -0500
From: "George, W5YR" <w5yr@att.net>
To: Juanjo Pastor <ec5aca@wanadoo.es>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133232] Re: RF Gain Control
Message-ID: <3D67B026.6AB49BA8@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Juanjo

Absolutely no offense here, my friend - please do not ever hesitate to challenge or question anything I may post since as an engineer I aim to be "close enough" rather than being "exactly right" every time! <:}

Good luck on your project - I have never worked with a DC design for amateur use, but I did my Master's thesis at MIT in the mid-50's on a DC radar receiver for a pulse-Doppler system. Although the operating environment there was quite different from what you face on 15 meters, there are still a lot of the basic problems which frequency-conversion and

IF amplification and selectivity help to resolve.

Let us know how you are progressing.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Juanjo Pastor wrote:

>

> Hello, George and all.

> It was not my intention to offend anybody so please forgive me if
> I did. You're a great group helping me with my ramblings pursuing a CW
> DC transceiver design for 15 meters (my real goal). TUA (Thanks u
> all).

Date: Sat, 24 Aug 2002 10:19:51 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [133233] Fox - Summer Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0208241016480.30692-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #14 - KV2X -

The NE-TX Tornados - 44

The Raiders of the Lost RF - 47

George - W5YR
Doc - W5TB
Eric - NM5M
Don - K5DW
Mike - KD5KXF

Rob - VE6JAZ
Dan - VE6EX *
Fred = VE3FAL
Earl - VA6RF
Bruce - VE5RC *

The Piggie Team - 22

The Cheeseheads - 54

Jim - KJ0C *
Dave - WR50
Randy - W9HL

Craig - VE4WI
Jim - WA9TZE
Glenn - WE9K

Wayne - K9DI
Diz - W8DIZ

Lon - W9XU
Rick - NK9G

The Cajun Thunder - 44

The Swamp Rats - 45

Wayne - K5EOA *
Jim - N5IB
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH

ET - N1FN *
Doc - K0EVZ
Paul - K4FB *
Dennis - N4DD *
Tom - N1TP

The p-Shooters - 28
Jason - K0IIN
Gary - NQ7T
Jim - KC1FB
Tony - KB9YIG
Todd - N9NE

...please notify me direct of any changes...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 24 Aug 2002 11:32:42 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: lew@paceley.com, w9ac@arrl.net
Subject: [133234] Re: Obsidian Rock Mite Photos
Message-ID: <005501c24b8b\$dec6c0e0\$6501a8c0@swbell.net>
MIME-version: 1.0

Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Folks,
I've had a couple requests for the model number of the Context Engineering enclosure I used with my Rock Mite.

Here's the specs:
The Context Engineering part number for the black enclosure is P/N 2506F-4.3B. The Fry's part number is 2506H-4B. I think the Fry's part number for the natural finish Al enclosure is 2506-4N.

I should note that the black anodized finish is not the mil spec, nuclear-hardened Doug Hauff anodized finish. You can drill through it but the downside is that it is easier to scratch. Also, the Context enclosures are extruded Al, not CNC precision machined hogouts. As always, you get what you pay for.

Outpost.com's (Fry's Internet e-commerce arm) page listing the enclosure is below. If the string doesn't wrap properly just try typing the URL in manually:

<http://www.outpost.com/category/Outpost/Appliances/Tools+&+Storage/Tools+Cases/>

Length: 4.30 inches
Width: 2.61 inches (2.5 in wide Rock Mite fits)
Height: 1.54 inches

Context Engineering
1043 Di Giulio Ave.
Santa Clara, CA 95050

GL es have fun!

72/73,
Lew
N5ZE

Date: Sat, 24 Aug 2002 10:32:46 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,

"cqc-1" <CQCLIST@yahooogroups.com>
Subject: [133235] FS KD1JV Melt Solder Freq Counter, unassembled
Message-ID: <000501c24b8b\$e1c84110\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

\$30 shipped CONUS.

I bought this for a project that I shelved. I didn't even open the parts package.

This is a nifty kit to be used as a general purpose frequency counter or digital dial in a rig. Note, this is a board only kit.

Specs:

40kHz - 49MHz
100 Hz resolution
100mS conversion time
50mV to 2 Vpp input
Four Digit LED display
Display Shift mode
Programmable IF offset
9-14 volt supply
20ma min./80ma max current draw

73, Rod N0RC

Date: Sat, 24 Aug 2002 12:40:08 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hmilller@sound.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133236] Re: (OT) Cigarette lighter plug needed
Message-ID: <003b01c24b8c\$e995abc0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm looking for a good HEAVY-DUTY cigarette lighter plug with built-in
> fuse holder
>
> Harley L. Miller WB0ROQ hmliller@sound.net

Radio Shack sells a heavy duty plug, but it's still plastic, and I suppose
it could still gets soft if you start pumping too much through it.

You might try the 'adapter' that RS sells. It's a plug that has two
binding post on the back, NOT the standard simple wire guy. It's
vented to allow air flow (I thought about even putting a small regulator
in there when I had the GPS12 that wouldn't take 12v input) and
it even screws apart. It comes with a 10amp fuse in a metal holder
that screws in the tip. The binding post are standard banana spacing
and the screws are made so they don't screw all the way off and get
lost. The (+) pin to the fuse is spring loaded.

Not your average \$.97 adapter...

Mike

Date: Sat, 24 Aug 2002 11:38:24 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133237] Re: FS KD1JV Melt Solder Freq Counter, unassembled
Message-ID: <003701c24b95\$0c929ae0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SOLD!

73, Rod N0RC

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, August 24, 2002 10:32 AM
Subject: FS KD1JV Melt Solder Freq Counter, unassembled

> Folks,
>

> \$30 shipped CONUS.
>

Date: Sat, 24 Aug 2002 12:07:53 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <hmliller@sound.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133238] Re: (OT) Cigarette lighter plug needed
Message-ID: <003d01c24b99\$2b1cea70\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Harry,

Check out DigiKey (www.digikey.com) they have several cig plug styles available.

73, Rod N0RC

----- Original Message -----
From: "Harley L. Miller" <hmliller@sound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, August 24, 2002 8:30 AM
Subject: (OT) Cigarette lighter plug needed

>
> I'm looking for a good HEAVY-DUTY cigarette lighter plug with built-in

Date: Sat, 24 Aug 2002 11:39:15 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: qrp-1@lehigh.edu, "Li'l Piggies" <fpqrp-1@mpna.com>,
 List Elecraft <elecraft@mailman.qth.net>
Subject: [133239] HELP! K1 audio drop

Message-ID: <20020824183915.76984.qmail@web10007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My K1, #00379, just developed the following
distressing symptom: On power-up, the audio is as
strong as ever, and then in about ten seconds, it
drops by 5 or 6 s-units, and stays there. If I turn it
off, then back on, the same thing happens each time.
Any suggestions? Thanks.

=====

73, Lloyd, K3ESE
K1 # 00379 - ARRL
ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-

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Date: Sat, 24 Aug 2002 14:47:34 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [133240] My version of QR0ing the Rock-Mite
Message-ID: <20020824.151009.-244567.2.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I have to admit that I have a temperature thing here. I don't like my
food so hot that it boils the taste buds off my tongue. I don't drink hot
tea or hot coffee. Luke warm. "Use the forks, Luke!"

So when I burned my pinkies on the 2N2222 in my Rock Mite, I decided for
a heat sink. So I made one. Then I remembered that when I swapped the
2N2222 for a 2N3866 a while back, I only got a few .1s of a watt more out
of the beast, even changing that 10 Ohm resistor to 5 Ohms.

Then the other day I was in the local RadioShack store (while they were
rearranging things so the stuff you need to be able to read the sizes of

[like boxes & enclosures] are so far up the wall that you need a ladder just to get 'em down) and came across 2N3053s at a buck-something each.

I bought to so I could blow 'em both up.

When I got through with some errands this morning, I put one of the 2N3053s in the Rock Mite & made this interesting discovery: I get a little over .5 W out, same as before (and yes, I changed the choke), but the tranny don't get that hot.

So I thought maybe I'd make some toroids up & put mica caps in the output LPF right after I take a nap. And since I don't need a killer heat sink for the 2N3053 -- at least yet, until I let the smoke out the first time -- I don't have to worry about little fins shortin' out on the stickin' up resistors near the emitter tab on the tranny.

Still tryin' to figure out a box and waitin' on seein' what Doug's got in mind for his next enclosure project . . .

. . . Andy (youngest son) and I went to the local military surplus store to get him a book bag (he wanted one like his older brother used to drag around all over . . . a surplussed former East German/Soviet hegemony number with all kinds of pockets & snaps &c). While there I looked long & whiningly at a couple Dutch field telephones (Veldtelephonoestel, if i remember right [yeah, right]) that would have held a bigger box of stuff than the Rock Mite.

I better take a nap before they hold me down & medicate me again . . .

73

Nils

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
<http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
"The island is closer than your memories are." -- Ian G. Bull Young, 15
Feb 2002

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Date: Sat, 24 Aug 2002 15:12:45 -0400
From: W2AGN <w2agn@w2agn.net>

To: qrp-1@lehigh.edu
Subject: [133241] Bad News BUBBA
Message-ID: <3D67A26D.8681.14DCC66D@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

In there trying. Set up portable in back yard. QRN is S7. Even Brian, K7RE is not too strong. No sigs on 15 at all, very few on 20. Guess the propo gods are doing it again.

Back to CQing.....

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 24 Aug 2002 15:15:46 -0400
From: Dave Richards <wr3i@earthlink.net>
To: rod@n0rc.us,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133242] Re: FS KD1JV Melt Solder Freq Counter, unassembled
Message-ID: <5.1.1.6.2.20020824151514.009e8b70@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

what was the display mode, again?

Dave

At 10:32 AM 8/24/2002 -0600, Rod N0RC wrote:

>Folks,

>

>\$30 shipped CONUS.

>

>I bought this for a project that I shelved. I didn't even open the parts
>package.

>

>This is a nifty kit to be used as a general purpose frequency counter or
>digital dial in a rig. Note, this is a board only kit.

>

>Specs:

>

>40kHz - 49MHz

>100 Hz resolution

>100mS conversion time
>50mV to 2 Vpp input
>Four Digit LED display
>Display Shift mode
>Programmable IF offset
>9-14 volt supply
>20ma min./80ma max current draw
>
>73, Rod N0RC

Date: Sat, 24 Aug 2002 11:27:08 -0800
From: Jim Larsen - AL7FS <AL7FS@arrl.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [133243] BUBBA: Polar Cap Absorption a big factor + 40 meter comments
Message-ID: <3D67DE0C.A2D8D374@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska via internet,

Internet is the only way we will communicate today. There is not one signal in the QRP section of 20 meters. I didn't even check 15 meters.

On the plus side, I have started to listen more on 40 meters and last night K6III was in QSO with a Mexican station and both were solid copy up here. I also heard a W9 calling CQ but he couldn't hear me. A friend modeled a Moxon for 40 meters for me that I believe will give me up to 6 dB in fairly useful elevations. That could be even more fun.

See you folks later...

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Sat, 24 Aug 2002 13:27:56 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <rod@n0rc.us>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [133244] Why you shouldn't trust spell checkers-- WAS: FS KD1JV Melt
Solder Freq Counter, unassembled
Message-ID: <006c01c24ba4\$59fcba90\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mea Culpa, gentle reader

Haste makes waste and here is the proof.

(beats an ear wax post though)

73, Rod N0RC

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, August 24, 2002 10:32 AM
Subject: FS KD1JV Melt Solder Freq Counter, unassembled

> Folks,
>
> \$30 shipped CONUS.
>
> I bought this for a project that I shelved. I didn't even open the
parts
> package.
>
> This is a nifty kit to be used as a general purpose frequency counter
or
> digital dial in a rig. Note, this is a board only kit.
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> Specs:
>
> 40kHz - 49MHz
> 100 Hz resolution
> 100mS conversion time
> 50mV to 2 Vpp input
> Four Digit LED display
> Display Shift mode
> Programmable IF offset
> 9-14 volt supply
> 20ma min./80ma max current draw

>
> 73, Rod NØRC
>
>
>
>
>

Date: Sat, 24 Aug 2002 15:43:51 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [133245] Re: QRP Afield
Message-ID: <000301c24ba6\$92cd0800\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

<http://www.qsl.net/wq1rp/qrpaf02r.htm>

John Harper AE5X
Outdoor QRP: <http://www.ae5x.com>

Date: Sat, 24 Aug 2002 16:04:20 -0400
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [133246] Re: Why you shouldn't trust spell checkers-- WAS: FS KD1JV
Melt Solder Freq Counter, unassembled
Message-ID: <5.0.2.1.0.20020824155638.009f6ba0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Har! As Bruce would say. I already have a counter with the S___
mode.....:-) :-)
73 to all
Pete NV4V

At 03:27 PM 8/24/2002, Rod N0RC wrote:

>Mea Culpa, gentle reader

>

>Haste makes waste and here is the proof.

>

>(beats an ear wax post though)

>

>73, Rod N0RC

>

>

>----- Original Message -----

>From: "Rod N0RC" <rod@n0rc.us>

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Sent: Saturday, August 24, 2002 10:32 AM

>Subject: FS KD1JV Melt Solder Freq Counter, unassembled

>

>

> > Folks,

> >

> > \$30 shipped CONUS.

> >

> > I bought this for a project that I shelved. I didn't even open the
>parts

> > package.

> >

> > This is a nifty kit to be used as a general purpose frequency counter
>or

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> >

> > Specs:

> >

> > 40kHz - 49MHz

> > 100 Hz resolution

> > 100mS conversion time

> > 50mV to 2 Vpp input

> > Four Digit LED display

> > Display Shit mode

> > Programmable IF offset

> > 9-14 volt supply

> > 20ma min./80ma max current draw

> >

> > 73, Rod N0RC

> >

> >

> >

> >

Date: Sat, 24 Aug 2002 16:54:46 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133247] Re: Bad News BUBBA
Message-ID: <3D67BA56.14526.153A2EE2@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 24 Aug 2002 at 15:12, W2AGN wrote:

> In there trying. Set up portable in back yard. QRN is S7. Even Brian, K7RE is not too strong. No sigs on 15 at all, very few on 20. Guess the propo gods are doing it again.

>

> Back to CQing.....

> --

Well, so far Doc, K0EVZ and NK9G are consistent signals. However, Nick WA5BDU gets the prize for the only honest 599 signal I have heard. He must really have that conjugal match working!

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sat, 24 Aug 2002 14:00:15 -0700
From: Russ Dow <n7dw@earthlink.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133248] Re: BUBBA: Polar Cap Absorption a big factor + 40 meter comments
Message-ID: <3D67F3DF.CC998BC3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Jim,

A few minutes ago on 14.061 you peaked at a solid 559 here near Tacoma, WA, while working Jack WA7LNW in Utah. Lots of QSB, but nice sigs on peaks, both of you! I'm not operating, just monitoring on an indoor dipole while puttering around in the house.

73,
Russ N7DW

Jim Larsen - AL7FS wrote:

>
> Greetings from Alaska via internet,
>
> Internet is the only way we will communicate today. There is not one
> signal in the QRP section of 20 meters. I didn't even check 15 meters.
>
> On the plus side, I have started to listen more on 40 meters and last night
> K6III was in QS0 with a Mexican station and both were solid copy up here. I
> also heard a W9 calling CQ but he couldn't hear me. A friend modeled a
> Moxon for 40 meters for me that I believe will give me up to 6 dB in fairly
> useful elevations. That could be even more fun.
>
> See you folks later...
>
> 73, Jim
> --
> Jim Larsen, AL7FS, Anchorage, Alaska
> (BP51cc) - 61.101 North, 149.824 West
> ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094
> <mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

Date: Sat, 24 Aug 2002 13:14:53 -0800
From: Jim Larsen - AL7FS <AL7FS@arrl.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [133249] BUBBA from Alaska
Message-ID: <3D67F74D.A95599B8@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I have to move on to another project for now but I did manage to work AD6GI

(CA), K0EVZ (ND) and WA7LNU (UT) in the BUBBA contest. Who know, I might "sweep" Alaska and win for my state. :-)) I just couldn't get NK9G, Rick, to hear me down in WI but he had a good signal for a short time...then gone. Also heard VE6.

As I was about to leave, I moved up to 15 meters...nothing. Up to 10 meters...the band is open at 2100Z. Who would have guessed it? However, no BUBBA stations up there just others calling CQ and such.

Have a nice end of BUBBA everyone and I hope to start working you on 40 meters now that I am starting to listen in the evenings. As the days get shorter, I may even have more luck. Plans call for a 40 mtr wire Moxon up by the end of September.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Sat, 24 Aug 2002 17:29:5 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"W2AGN" <w2agn@w2agn.net>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [133250] Re: Bad News BUBBA
Message-ID: <412002862422295380@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

John:

Well shortly after our QSO this afternoon I re-measured the Ten Tec 515 and found that I only had it set for 1 watt out. Turned it up and things got better. That is until the band died about 2130. Until then business was fairly brisk [g]. Thanks for dropping by.

73,

--Doc/K0EVZ

> [Original Message]
> From: W2AGN <w2agn@w2agn.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: 08/24/2002 3:54:46 PM

> Subject: Re: Bad News BUBBA
>
> On 24 Aug 2002 at 15:12, W2AGN wrote:
>
> > In there trying. Set up portable in back yard. QRN is S7. Even Brian,
> K7RE is not too strong. No sigs on 15 at all, very few on 20. Guess the
> propo gods are doing it again.
> >
> > Back to CQing.....
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>
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WA5BDU gets the prize for the only honest 599 signal I have heard. He must
really have that
> conjugal match working!
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> --
>
> / \ / \ / \ / \ / \ John L. Sielke
> (W)(2)(A)(G)(N) <http://www.w2agn.net>
> _ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
> Ex- K3HLU, W7JEF, W4MPC, N4JS

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Sat, 24 Aug 2002 17:27:33 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"Jim Larsen - AL7FS" <AL7FS@arrl.net>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [133251] RE: BUBBA from Alaska
Message-ID: <412002862422273770@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Jim:

Well you had a good signal here during our QSO, though not as loud as
during the FOX hunt last Thursday evening. The band quit here also about
2130 or slightly before. Yikes, sounded like someone just pulled a shade
down and literally all contesting disappeared. Thanks for the QSO. BTW,

your new K2 sounded very good.

73,

--Doc/K0EVZ

> [Original Message]

> From: Jim Larsen - AL7FS <AL7FS@arrl.net>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Date: 08/24/2002 4:14:53 PM

> Subject: BUBBA from Alaska

>

> Greetings from Alaska,

>

> I have to move on to another project for now but I did manage to work
AD6GI

> (CA), K0EVZ (ND) and WA7LNU (UT) in the BUBBA contest. Who know, I might

> "sweep" Alaska and win for my state. :-) I just couldn't get NK9G,

Rick,

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> 73, Jim

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> Jim Larsen, AL7FS, Anchorage, Alaska

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> <mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

--- wilford lindsey

--- dock0evz@earthlink.net

--- EarthLink: The #1 provider of the Real Internet.

End of QRP-L Digest 2657
